MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, LEBANON

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

October 1949

ROBERT W. SLOANE, DIRECTOR

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WEATHER BUREAU

OCTOBER 1949

METEOROLOGICAL REGISTER

Date	Barometer reduced to O°C Sea level and 45° Latitude 700 mm. +...				Thermometer Degrees Centigrade					
	8.30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	62.4	62.4	63.3	62.7	27.0	18.8	24.4	26.5	21.1	24.0
2	63.8	63.4	63.9	63.7	27.4	20.3	26.6	27.1	23.1	24.9
3	64.0	62.1	61.9	62.7	29.0	20.4	24.8	27.9	23.8	25.5
4	61.0	59.0	59.1	59.7	28.3	19.9	25.4	28.0	21.6	25.0
5	59.1	57.9	59.1	58.7	28.1	20.5	24.6	27.3	22.5	24.8
6	61.6	61.1	61.4	61.4	28.5	21.7	25.0	28.1	23.9	25.7
7	61.9	59.7	59.3	60.3	30.1	21.7	26.3	27.3	24.5	26.0
8	59.7	59.0	59.8	59.5	28.9	20.8	25.6	28.3	23.3	25.7
9	60.7	59.9	60.4	60.3	27.1	21.1	24.7	25.4	22.3	25.5
10	61.4	60.6	61.4	61.1	26.5	19.6	23.4	25.9	21.6	23.6
11	62.5	61.9	62.4	62.9	27.4	21.1	24.6	25.5	23.3	24.5
12	63.4	62.5	63.4	63.1	28.4	21.0	25.2	27.2	23.3	25.2
13	64.1	63.5	64.0	63.9	27.9	19.5	24.3	26.6	23.2	24.7
14	62.7	61.7	61.5	62.0	27.5	19.5	23.8	27.0	21.7	24.2
15	61.7	60.7	61.4	61.3	26.7	19.8	23.3	25.7	21.5	23.5
16	61.3	60.7	60.6	60.9	28.7	22.1	24.3	26.6	24.1	25.0
17	59.5	58.1	59.3	59.0	28.9	22.2	26.1	27.6	24.5	26.1
18	61.3	60.8	61.3	61.1	27.0	20.0	24.4	26.1	22.5	24.3
19	62.3	61.9	62.6	62.3	26.0	19.9	23.3	25.5	22.1	23.6
20	62.8	61.5	61.8	62.0	26.1	20.5	23.7	25.0	21.8	23.5
21	62.6	62.2	61.5	62.1	26.3	21.2	24.4	25.0	22.9	24.1
22	61.1	60.4	61.1	60.9	26.7	18.9	24.2	26.2	22.0	24.1
23	61.9	61.1	61.7	61.6	25.4	19.6	23.2	24.9	21.1	23.1
24	62.9	62.5	63.8	63.1	25.3	17.7	22.9	24.5	20.8	22.7
25	65.0	64.2	64.9	64.7	24.3	17.9	21.5	23.8	20.0	21.8
26	64.7	63.6	63.6	64.0	24.4	17.9	21.8	23.8	19.9	21.8
27	63.1	62.1	62.3	62.5	25.5	19.3	22.2	23.9	21.4	22.5
28	62.8	62.5	63.2	62.8	25.2	19.9	23.2	23.7	21.4	22.8
29	63.8	62.7	63.2	63.2	24.8	18.5	21.1	23.9	19.8	21.6
30	64.2	63.2	63.8	63.7	24.7	17.9	22.2	23.8	19.8	21.9
31	64.3	63.4	63.6	63.8	24.6	17.4	21.3	23.7	20.5	21.8
	62.37	61.50	61.95	61.96	26.86	19.89	23.86	25.86	22.11	23.98

Barometer, range for month 765.0 mm. — 757.9 mm.

,, 71-yr. average for month 761.31 mm.

Thermometer, range for month 30.1°C — 17.4°C

,, 71-yr. average for month 24.51°C.

Rain, total for month 10. 41mm.

,, 71-yrs. average for month 50.02 mm.

,, Tolal, Sept. 1st. to end of month 32.26 mm.

,, 71-yr. average, Sept. 1st. to end of month 56.21 mm.

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METEOROLOGICAL REGISTER

Date	Pressure of Water Vapor Millibare				Relative Humidity per cent.				sun.	Wind per day	Rain
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	20.5	19.3	17.7	19.2	66	56	70	64	9.5	51.0	
2	17.6	21.6	21.2	20.1	57	63	75	65	9.5	528.0	
3	19.6	24.8	23.6	22.7	61	66	79	69	9.7	198.0	
4	23.2	24.1	20.8	22.7	70	63	80	71	9.6	171.0	
5	23.0	25.5	23.9	24.1	75	70	87	77	9.4	254.0	
6	23.7	22.3	21.3	22.4	75	58	71	68	9.1	359.0	
7	21.3	26.3	25.8	24.5	62	72	84	73	9.2	148.0	
8	28.3	29.2	24.9	27.5	86	76	87	83	9.0	154.0	
9	21.7	23.3	21.4	22.1	71	72	79	74	8.4	148.0	
10	19.5	21.4	20.9	20.6	68	63	80	70	8.8	85.0	
11	21.3	26.9	26.5	24.9	69	82	92	81	9.3	418.0	
12	24.3	29.7	27.3	27.1	76	82	95	84	9.0	620.0	
13	20.9	27.6	27.1	25.2	69	79	95	81	9.1	64.0	
14	24.8	27.0	24.6	25.5	83	75	95	84	9.2	51.0	
15	23.8	25.5	24.0	24.4	83	78	92	84	9.0	42.0	
16	21.7	27.1	25.2	24.7	71	78	84	78	5.6	180.0	
17	22.0	26.3	26.8	25.0	64	71	87	74	9.4	283.0	
18	23.7	23.7	21.0	22.8	78	70	76	75	8.8	222.0	
19	18.8	20.1	20.6	19.8	65	62	78	68	7.9	130.0	
20	20.4	23.3	22.4	22.0	69	73	86	76	9.7	126.0	
21	25.7	24.9	23.9	24.8	80	78	86	81	5.9	66.0	
22	23.0	23.3	21.3	22.5	75	69	79	74	4.5	148.0	
23	20.6	21.9	19.7	20.7	72	69	78	73	10.3	85.0	
24	19.7	21.6	20.0	20.4	71	71	81	74	6.9	159.0	
25	18.4	20.3	18.6	19.1	72	68	79	73	8.1	90.0	9.64
26	18.0	20.3	18.6	19.0	69	69	79	72	9.4	85.0	
27	20.0	22.2	22.7	21.6	74	75	86	78	9.9	100.0	
28	21.7	21.8	23.3	22.3	76	74	91	80	10.3	95.0	0.77
29	20.7	20.3	17.6	19.5	83	68	77	76	9.2	79.0	
30	19.2	18.5	17.4	18.4	71	68	76	72	10.3	66.0	
31	16.0	19.9	18.1	18.0	64	68	75	69	10.1	193.0	
	21.39	23.55	22.2	22.38	71.8	70.5	82.6	74.9	8.84	174.13	0.336

Height of Barometer above sea level: 33.7 meters.

,, ,, Thermometers above ground:

Dry and wet 1.55 m ; Max. 1.75 m.; Min. 1.70 m.

Rim of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m.

Time of reading minus 2 hours equal G.C.T.

71year averages are for period, 1875-1945

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METEOROLOGICAL REGISTER

Date	Clouds clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8.30	14:30	20:30	Mean	8:30	14:30	20:30		
1	2cu	2ci-cu	0	1.3	1sw	2nw	0	light	
2	0	0	0	0.0	1e	3ne	4n	,,	
3	0	0	0	0.0	1ne	1ne	2ne	slight	
4	0	0	0	0.0	1ne	1ne	0	light	
5	0	1cu-ci	0	0.3	3sw	2sw	0	slight	
6	0	0	0	0.0	0	2n	4n	light	H. a.m.
7	0	0	0	0.0	0	2ne	1ne	slight	
8	0	0	4cu	1.3	2sw	2sw	1sw	light	
9	2cu	8st	10cu-st	6.7	1sw	1nw	0	,,	
10	3st	0	0	1.0	0	1n	0	light	
11	0	0	0	0.0	1ne	2ne	3ne	slight	
12	0	0	0	0.0	4ne	3ne	1ne	mod.	
13	0	0	0	0.0	1ne	1ne	1ne	light	
14	0	0	0	0.0	1sw	1w	0	calm	D a.m.
15	1cu-st	0	1cu	0.7	1sw	1nw	1nw	light	D a.m.
16	0	0	0	0.0	1sw	2ne	1nw	slight	
17	0	0	0	0.0	1ne	1ne	4sw	,,	
18	3ci-cu	0	3ci-st	2.0	3sw	3sw	2nw	,,	
19	4cu-ci	1cu	5cu-st	3.3	1sw	2nw	1nw	,,	
20	0	0	0	0.0	2ne	2ne	1ne	slight	
21	8st	5st	9cu-ni	7.3	1se	1ne	1nw	light	Tr.
22	9cu	7st-ci	5st-ci	7.0	1sw	2sw	1nw	,,	
23	0	2cu	3ci-st	1.7	1n	1nw	1n	calm	
24	8st-cu	3cu-ci	3cu	4.7	1sw	1w	1w	,,	
25	7cu	0	0	2.3	2sw	1sw	1sw	light	
26	1cu	0	0	0.3	1se	1n	1n	,,	
27	2ci	0	0	0.7	1ne	1ne	1ne	,,	
28	1cu	5cu	9cu-ni	5.0	1se	1sw	1w	,,	
29	6cu	3cu	3cu	4.0	1sw	2w	1sw	,,	
30	3cu	0	0	1.0	1se	1ne	1ne	slight	
31	0	0	0	0.0	1se	2ne	1ne	light	Excellent visibility
				1.63					

Abbreviations :— G = gale; H = haze; M = mist ; T = thunderstorm ; D = dew.
W = strong wind; Tr = trace of rain

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	1	8	1	5	0	13	0	0	3	31
14:30	3	14	0	0	0	6	3	5	0	31
20:30	4	9	0	0	0	4	2	6	6	31
Total	8	31	1	5	0	23	5	11	9	93

Number of days with rain 2, fog 0, thunderstorms 0, gale 0.

71 yr. av. number of days with rain during month 3.84